

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Atty Docket 0756-2431

Serial No. 10/066,542

INFORMATION DISCLOSURE STATEMENT

APR 05 2002

Applicants: Osamu NAKAMURA et al.

Filing Date: February 05, 2002

2815
Group Art Unit: N/A

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number & TRADEMARK OFFICE	Date	Name	Class	Subclass	Filing Date (if appropriate)
BWB	5,529,937	06/25/1996	Zhang et al.			
	5,608,232	03/04/1997	Yamazaki et al.			
	5,639,698	06/17/1997	Yamazaki et al.			
	5,700,333	12/23/1997	Yamazaki et al.			
	5,773,327	06/30/1998	Yamazaki et al.			
	5,789,284	08/04/1998	Yamazaki et al.			
	5,814,540	09/29/1998	Takemura et al.			
	5,869,363	02/09/1999	Yamazaki et al.			
	5,888,858	03/30/1999	Yamazaki et al.			
	5,893,730	04/13/1999	Yamazaki et al.			
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	5,977,559	11/02/1999	Zhang et al.			
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	6,063,654	05/16/2000	Ohtani			
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	6,071,764	06/06/2000	Zhang et al.			
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	6,072,193	06/06/2000	Ohnuma et al.			
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Date Considered

6/2/02

Citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not considered. Include copy of this form with next communication to applicant.

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BMW	6,111,557	08/29/2000	Koyama et al.			
	6,121,660	09/19/2000	Yamazaki et al.			
	6,133,073	10/17/2000	Yamazaki et al.			
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	6,153,445	11/28/2000	Yamazaki et al.			
	6,156,590	12/05/2000	Yamazaki et al.			
	6,156,628	12/05/2000	Ohnuma et al.			
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Examiner Stephanie B. BaskinDate Considered 8/2/02

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Atty Docket 0756-2431

Serial No. 10/066,542

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Applicants: Osamu NAKAMURA et al.

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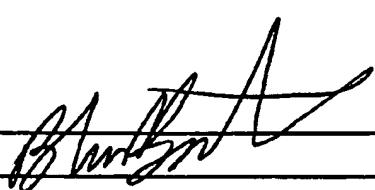
Group Art Unit: 2815

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
fwb	6,303,963	10/16/2001	Ohtani et al.			
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	6,316,810	11/13/2001	Yamazaki et al.			

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
✓	05-109737	04/30/1993	JP			Full Eng

Examiner Date Considered 

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

3

Complete if Known

Application Number	10/066,542
Filing Date	February 5, 2002
First Named Inventor	Osamu NAKAMURA et al.
Art Unit	2814-2815
Examiner Name	JACKSON

Attorney Docket Number

740756-2431

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)	Number - Kind Code ² (if known)			
		US-3,535,775		10/27/1970	Garfinkel et al.	
		US-4,371,403		02/01/1983	Ikubo et al.	
		US-4,477,308		10/16/1984	Gibson et al.	
		US-4,534,820		08/13/1985	Mori et al.	
		US-5,244,819		09/14/2002	Yue	
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³	Kind Code ³ (if known)				
		EP	651431	05/03/1995	Ohtani et al.		
		JP	07-183540	07/21/1995	Ohtani et al.		AB
		JP	08-078329	03/22/1996	Ohtani		AB
		JP	3032801	02/18/2000	Takano et al.		AB

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01/21/02

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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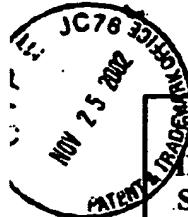
<p>TRADE Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p><i>Complete if Known</i></p>	
				Application Number	10/066,542
				Filing Date	February 2, 2002
				First Named Inventor	Osamu NAKAMURA et al.
				Art Unit	2814-2813
				Examiner Name	JACKSON
Sheet	2	of	3	Attorney Docket Number	740756-2431

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ¹ (if known)	Publication Date MM-DD-YYYY		
		US-5,589,694	12/31/1996	Takayama et al.	
		US-5,595,923	01/21/1997	Zhang et al.	
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		US-5,637,515	06/10/1997	Takemura	
		US-5,646,424	07/08/1997	Zhang et al.	
		US-5,654,203	08/05/1997	Ohtani et al.	
		US-5,656,825	08/12/1997	Kusumoto et al.	
		US-5,663,077	09/02/1997	Adachi et al.	
		US-5,677,549	10/14/1997	Takayama et al.	
		US-5,696,386	12/09/1997	Yamazaki	
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 STATEMENT BY APPLICANT**
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Sheet 3 of 3

Complete if Known

Application Number	10/066,542
Filing Date	February 2, 2002
First Named Inventor	Osamu NAKAMURA et al.
Art Unit	2814-2805
Examiner Name	JACKSON
Attorney Docket Number	740756-2431

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY		
		US-5,705,829	01/06/1998	Miyanaga et al.	
		US-5,712,191	01/27/1998	Nakajima et al.	
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		US-5,843,225	12/01/1998	Takayama et al.	
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		US-2001/0034088	10/25/2001	Nakamura et al.	
		US-			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³
		Lee et al. <i>IEEE Transactions on Electron Devices</i> , Vol. 45, No. 8, August 1998 "Argon Ion-Implantation on Polysilicon or Amorphous-Silicon for Boron Penetration Suppression in p ⁺ pMOSFET" p. 1737-1744	
		Miyake et al. <i>IEEE Transactions on Electron Devices</i> , Vol. 43, No. 3, March 1996 "Characteristics of Buried-Channel pMOS Devices with Shallow Counter-Doped Layers Fabricated Using Channel Preamorphization" p. 444-449	
		U.S. Patent Application Serial No. 10/020,961 Filed: 12/19/2001 - Filing Receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/072,931, Filed: 02/12/2002 - Filing Receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/056,055, filed: 01/28/2002, Filing receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/074,050 Filed: 02/14/2002, Filing Receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/051,064 Filed: 01/18/2002, Filing Receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/097,641 Filed: 03/15/2002, Filing Receipt, Specification, Claims and Drawings	
Examiner Signature	<i>John Ben A</i>		Date Considered 6/2/02

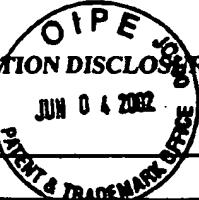
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Patent and Trademark Office

Atty Docket 0756-2431

Serial No. 10/066,542

INFORMATION DISCLOSURE STATEMENT



Applicants: Osamu NAKAMURA et al.

Filing Date: February 05, 2002

Group Art Unit: 2814-2815

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
bjm	09-074207	03/18/1997	JP			Full Eng

Examiner

Date Considered

5/31/03

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Sheet	1	of	1	Application Number	10/066,542
				Filing Date	February 5, 2002
				First Named Inventor	Osamu NAKAMURA et al.
				An Unit	2814 2815
				Examiner Name	JACKSON
				Attorney Docket Number	740756-2431

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.*	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)		
		US-			

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
<i>WMB</i>		D.J. Llewellyn et al. <u>IEEE 1997</u> ; "Implantation and annealing of Cu in InP for electrical isolation: microstructural characterization" pp.313-316			
<i>WMB</i>		Kevin Jones et al. <u>IEEE 2000</u> ; "Boron Diffusion upon Annealing of Laser Thermal Processed Silicon"; pp.111-114			

Examiner Signature	<i>Osamu Nakamura</i>	Date Considered	5/31/03
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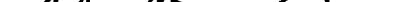
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				Filing Date	February 5, 2002
				First Named Inventor	Osamu NAKAMURA et al
				Group Art Unit	Not Yet Assigned 2815
				Examiner Name	Not Yet Assigned JACKSON
Sheet	1	of	1	Attorney Docket Number	740756-2431

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	6/20/03
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>		
Sheet 1		of	2	Application Number	10/066,542	
				Filing Date	February 5, 2002	
				First Named Inventor	Osamu NAKAMURA et al.	
				Art Unit	2815	
				Examiner Name	Bradley Baumeister JACKSON	
				Attorney Docket Number	740756-2431	
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Person or Applicant of Cited Document	Page, Column, Line, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		US-4,727,044		02/23/1988	Yamazaki	
		US-5,248,630		09/28/1993	Serikawa et al.	
		US-5,550,070		08/27/1996	Funai et al.	
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		US-6,015,593		01/18/2000	Yonkoski et al.	
		US-6,083,324		07/04/2000	Henley et al.	
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		US-6,287,988 B1		09/11/2001	Nagamine et al.	
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		US-6,391,690 B2		05/21/2002	Miyasaka	
		US-6,399,988 B1		06/04/2002	Yamazaki	
		US-6,420,758 B1		07/16/2002	Nakajima	
		US-6,426,276 B1		07/30/2002	Ohnuma et al.	
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**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
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Sheet

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of

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Application Number	10/066,542
Filing Date	February 5, 2002
First Named Inventor	Osamu NAKAMURA et al.
Art Unit	2815
Examiner Name	Bradley Baumeister JACKSON
Attorney Docket Number	740756-2431

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Page, Column, Line, Where Relevant Passages or Relevant Figures Appear
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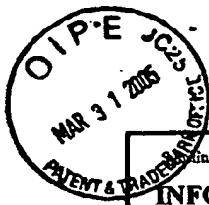
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Information Disclosure Statement by Applicant (use as many sheets as necessary)				Complete if Known	
Sheet	1	of	1	Application Number	10/066,542
				Filing Date	February 5, 2002
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				Art Unit	2815
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				Attorney Docket Number	740756-2431

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		Kind Code ³ Country Code ⁴ Number ⁵ (If Known)			
		JP 9-115831	05-02-1997	HARA et al.	—
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Examiner Signature	<i>Jerome Jackson</i>	Date Considered	6/05
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				Filing Date	February 5, 2002
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				Art Unit	2815
				Examiner Name	Bradley W. Baumeister, JACKSON
Sheet	1	of	1	Attorney Docket Number	740756-2431

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(If necessary, attach separate sheet)

Sheet

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First Named Inventor	Osamu NAKAMURA
Art Unit	2815
Examiner Name	Bradley W. Baumeister

Attorney Docket Number

740756-2431

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Sheet	1	of	1
		Attorney Docket Number	740756-2431
		Application Number	10/066,542
		Filing Date	February 5, 2002
		First Named Inventor	Osamu Nakamura et al.
		Group Art Unit	2815
		Examiner Name	Jerome Jackson, Jr.

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